macromedia® DIRECTOR® 8.5 SHOCKWAVE® STUDIO

The Solution for Developing Magnetic Internet Destinations and Powerful Multimedia

Director 8.5 Shockwave Studio is the solution for developing magnetic destination content and interactive media on the Web with dazzling 3D entertainment, interactive product demonstrations and learning applications.

Deliver professional 3D and interactive experiences that increase Web site traffic, entertain visitors, build customer retention and increase product sales.

Key Benefits

Magnetic

- **Integrate Macromedia Flash 5 content.** Incorporate the most comprehensive array of multimedia elements to create fast-rendering, high-performance, media-rich applications. Incorporate interactive 2D and 3D animation, streaming RealNetworks® RealVideo® and RealAudio,® MP3, Macromedia Flash, QuickTime,® bitmaps, vectors, text and more.
- **Create with unlimited control using Lingo,**™ the object-oriented scripting language in Director. Featuring over 800 commands, Lingo syntax is easy to learn for programmers who are familiar with languages such as JavaScript™ or Visual Basic.
- **Build multiuser communities** using the high performance Shockwave Multiuser Server 3, with new server side logic and UDP support. Up to 2,000 simultaneous users can enjoy dynamic multiuser content.
- **Stream RealAudio and RealVideo** within Director content. Apply Director imaging Lingo and precise sound features to control, enhance and transform the RealMedia® stream.

3D

- **Deliver compelling, interactive 3D** with compressed files and streaming geometry, textures and environments, giving Web users immediate 3D experiences in product demonstrations and in commerce, learning and entertainment user interfaces.
- **Work with your widely supported 3D applications**. Import models, textures and animation from the most popular 3D applications and services.
- **Use the comprehensive 3D feature set in Director** to create a wide range of highly interactive 3D applications, including games, e-merchandizing, e-learning and product demonstrations.
- **Deploy bandwidth-friendly, scalable 3D content** that provides compelling experiences on high-performance personal computers while still running well on basic systems.

Destinations

- **Reach a growing audience of more than 200 million Web users** with Shockwave Player. Distribution is expanding by more than 250,000 Shockwave Player installations every day.
- **Author once and deploy royalty-free to multiple environments** including CD- and DVD-ROMS, kiosks, corporate intranets and the Web.
- **Optimize Shockwave** using templates, loader movies and JPEG compression with the Publish command to deliver the smallest scalable Shockwave content ever.

macromedia® *what the web can be.*™

Key Features

Magnetic

- **RealNetworks® RealAudio® and RealVideo® support:** Along with AVI and QuickTime,® Shockwave now supports even more flexibility in the type of media you can show on the Web and control with Director.
- **Macromedia Flash™ 5 Integration:** The tightest integration yet between the two most important Web multimedia technologies brings you the best of both worlds.
- **Shockwave® Multiuser Server 3:** Build multiuser communities with new server side logic and UDP support. Up to 2,000 simultaneous users can enjoy dynamic multiuser content.
- **Fireworks® 4:** Create, animate and edit Web graphics using a complete set of bitmap and vector tools. Save time and effort in Director by importing Fireworks HTML and image output directly into the Director Stage and Score window.
- **Property Inspector:** Quickly access properties for cast members, sprites and global movies and stages.
- **Lingo™:** Over 800 commands control imaging, sound, vector shapes, scaling, rotation, alpha channels and Internet connectivity.

3D

- **Multiple 3D authoring tool support:** Import models, textures and animation from the most popular 3D applications and services.
- **Scalable geometry:** Multi-resolution Mesh and Subdivision Surfaces provide users with the best possible experience on their machine and with their bandwidth.
- **Physics:** The Havok real-time, interactive physics capacity in Director adds dedicated game machine style play to Shockwave 3D for unprecedented, realistic motion and interactions.
- **3D software renderer:** Get the best possible playback on any system with or without 3D hardware acceleration.
- **Hardware acceleration:** Shockwave supports cutting-edge hardware acceleration for the best possible performance and experience by the end-user.
- **Non-photorealistic shading effects:** Create novel and eye-catching animations that look like animated cartoons and engravings.
- **Particle systems:** Generate spectacular effects of smoke, fire, water and rain with low download overhead.
- **Keyframe animation support:** Use the industry standard method for creating 3D animations of individual or grouped objects in the 3D world.
- **Bones-based deformations:** Create life-like characters with the motion hand animated or motion capture, import them into Director 8.5 and control their muscle deformation interactively.

Destinations

- **Shockwave Player 8.5:** With over 200 million Web users, Shockwave Player is one of the most widely deployed multimedia technologies on the Web.
- **Shockwave Player automatic updating:** Automatically notify users when a new version is available.
- **Macintosh® and Windows® authoring and playback support:** Cross platform support simplifies and speeds the development process.
- **Publish command:** Optimize Shockwave content delivery using templates, loader movies and JPEG compression.
- **Stand-alone applications:** Output high-performance files for the Web, CD- and DVD-ROMs.
- **Integrated HTML content:** Import HTML text into Director while maintaining full control of all link references.
- **Royalty-free distribution of Shockwave content:** No hosting fee is charged for content created with Director 8.5 Shockwave Studio
- **Integrated Web-safe palette:** Simplify consistent display in both preview and run-time.

System Requirements

Director® 8.5 Shockwave® Studio Authoring

Windows

- Intel® Pentium® II processor (or higher)
- Windows 95, 98, 2000, Windows NT® 4 (Service Pack 3), or Windows Me
- 64 MB of available RAM
- 100 MB of available disk space
- 256-color monitor capable of 800x600 resolution
- DirectX® 5.2 or OpenGL® (recommended)
- 3D accelerator (recommended)

Macintosh

- Power Macintosh Power PC processor (G3 or higher recommended)
- Mac® OS 8.1 or later
- 64 MB of available RAM (with virtual memory on)
- 100 MB of available disk space
- 256-color monitor capable of 800x600 resolution
- OpenGL 1.1.2 (recommended)
- 3D accelerator (recommended)

Shockwave Player Playback

Windows

- Intel Pentium processor (Pentium II or higher recommended)
- 32MB or more of installed RAM
- Microsoft® Internet Explorer 4.0 or greater, Netscape® Navigator® 4.0 or greater, or AOL® 4.0 or greater

Macintosh

- Power Macintosh Power PC processor (G3 or higher recommended)
- 32MB or more of installed RAM
- Microsoft Internet Explorer 4.5 or greater, Netscape 4.0 or greater, or AOL 4.0 or greater

To optimize your 3D performance, please visit **www.macromedia.com/support/director/ts/documents/3d_chipset_driver_update.htm**.

Included in Macromedia Director 8.5 Shockwave Studio:

- Director 8.5
- Shockwave Player 8.5
- Shockwave Multiuser Server 3
- Fireworks
- Sound Editor for Macintosh and Windows

For examples of sites that use the Director Shockwave Studio, visit the Online Gallery at **www.macromedia.com/showcase**.

To purchase in the U.S. and Canada, visit **www.macromedia.com/store** or call 800 457 1774. Outside the U.S. and Canada, visit **www.macromedia.com/intl** to find the Macromedia office or authorized distributor nearest you.

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